

# PATENT ABSTRACTS OF JAPAN

(11) Publication number : 08-311835

(43) Date of publication of application : 26.11.1996

(51) Int.Cl.

E01H 1/00  
 A47L 13/16  
 // B01J 20/26  
 C09K 3/00  
 D04H 1/42

(21) Application number : 08-038027

(71) Applicant : MITSUI PETROCHEM IND LTD  
 TOKYO METROPOLIS

(22) Date of filing : 26.02.1996

(72) Inventor : EZAKI MOTOYUKI  
 TSURUMI FUMIO  
 SATSUSA YUKIHISA  
 SHINOZUKA TAKAO

(30) Priority

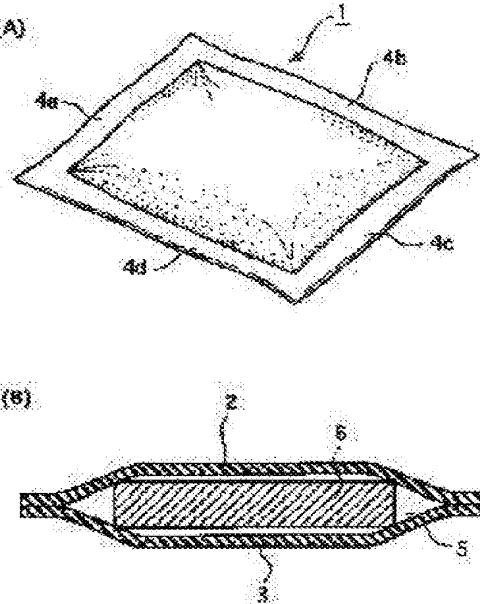
Priority number : 07 52726 Priority date : 13.03.1995 Priority country : JP

## (54) LIQUID ABSORBER

### (57) Abstract:

**PURPOSE:** To quickly and efficiently absorb a liquid by providing an air nonpermeable layer on one face side of a bag-like body or a tube-like body, providing a liquid permeable material layer on the other face side, and arranging a liquid absorbing material in the bag-like body to form a liquid hold section.

**CONSTITUTION:** An air nonpermeable layer 2 is formed with a polyolefin resin, a vinyl chloride resin, nylon, or a polyester resin. A liquid permeable material layer 3 is formed with a nonwoven fabric laminated with a spun bond nonwoven fabric and a melt blown nonwoven fabric at the METSUKE quantity ratio of 1/4-10/1 and having a lipophilic property, the water resistance of 1-150cm, the air permeability of 5-5000cc/cm<sup>2</sup>.sec, and the METSUKE quantity of 10-200g/m<sup>2</sup>. The air nonpermeable layer 2 and the liquid permeable material layer 3 are overlapped, and three side walls 4a, 4b, 4c are stuck and sealed to form a liquid hold section 5. A liquid absorbing material made of synthetic fibers or wood powder is filled from the opened side end 4d at the filling factor of 8% or below, and the side end 4d is sealed to form a liquid absorber 1.



## LEGAL STATUS

[Date of request for examination]	16.01.2003
[Date of sending the examiner's decision of rejection]	07.02.2006